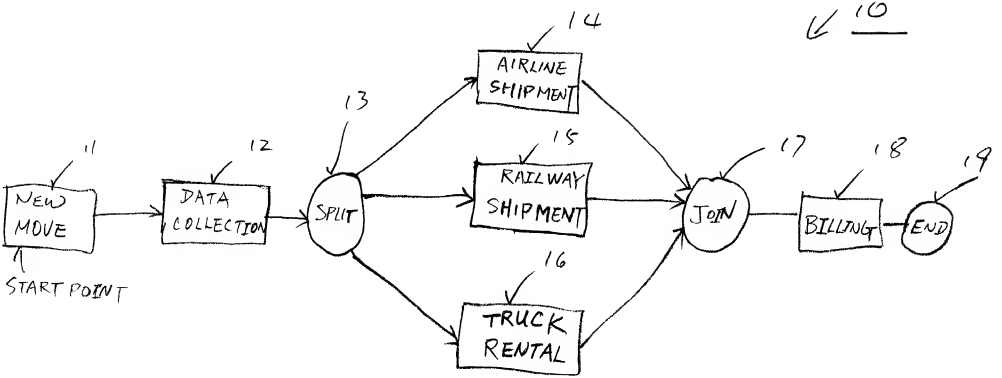
TOSCHO 96424860



FIGUR 1 (PRIOR ART)

TOSZHO'96H2H860

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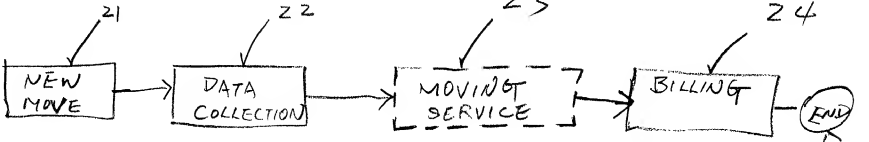

25

25

DATA ITEMS	
CUSTOMER NAME :	DATA 1
LOCATION :	DATA 2
COST :	NUMBER
CUSTOMER_REQUIREMENT :	VECTOR

FIGURE 2

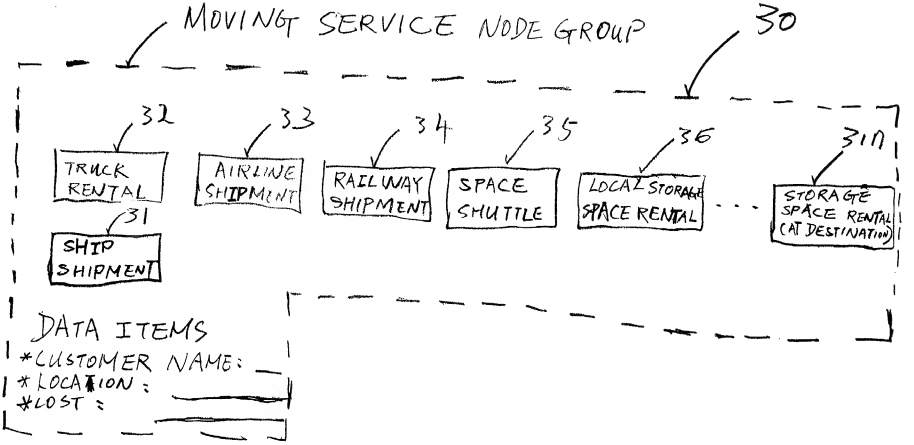
MOVING SERVICE NODE GROUP
30
32
TRUCK RENTAL
33
AIRLINE SHIPMENT
34
RAILWAY SHIPMENT
35
SPACE SHUTTLE
36
LOCAL STORAGE SPACE RENTAL
31n
STORAGE SPACE RENTAL (AT DESTINATION)
31
SHIP SHIPMENT
DATA ITEMS
*CUSTOMER NAME:
*LOCATION:
*COST:

FIGURE 3

TOSZHO 96h2h060

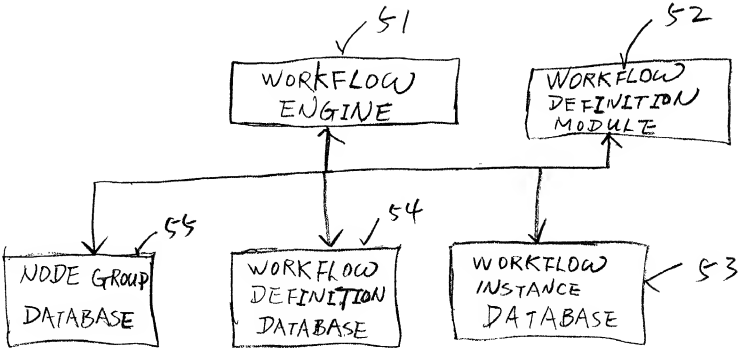

FIGURE 4

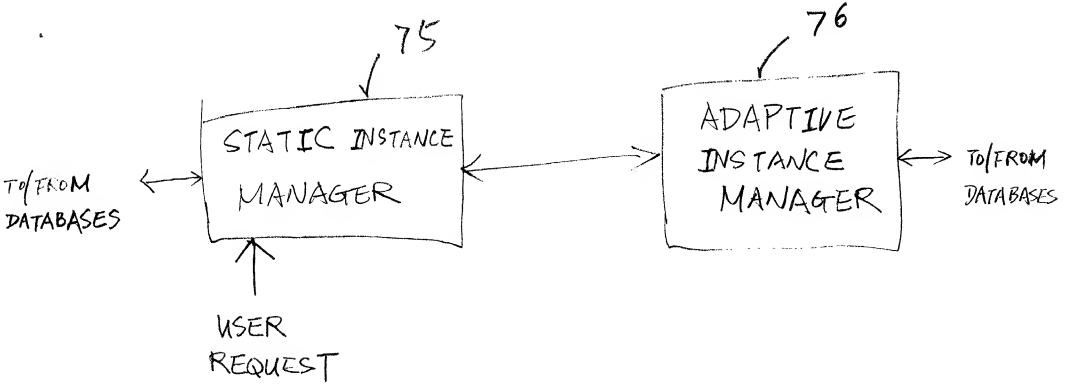
75
76
STATIC INSTANCE MANAGER
ADAPTIVE INSTANCE MANAGER
TO/FROM DATABASES
TO/FROM DATABASES
USER REQUEST

FIGURE 5

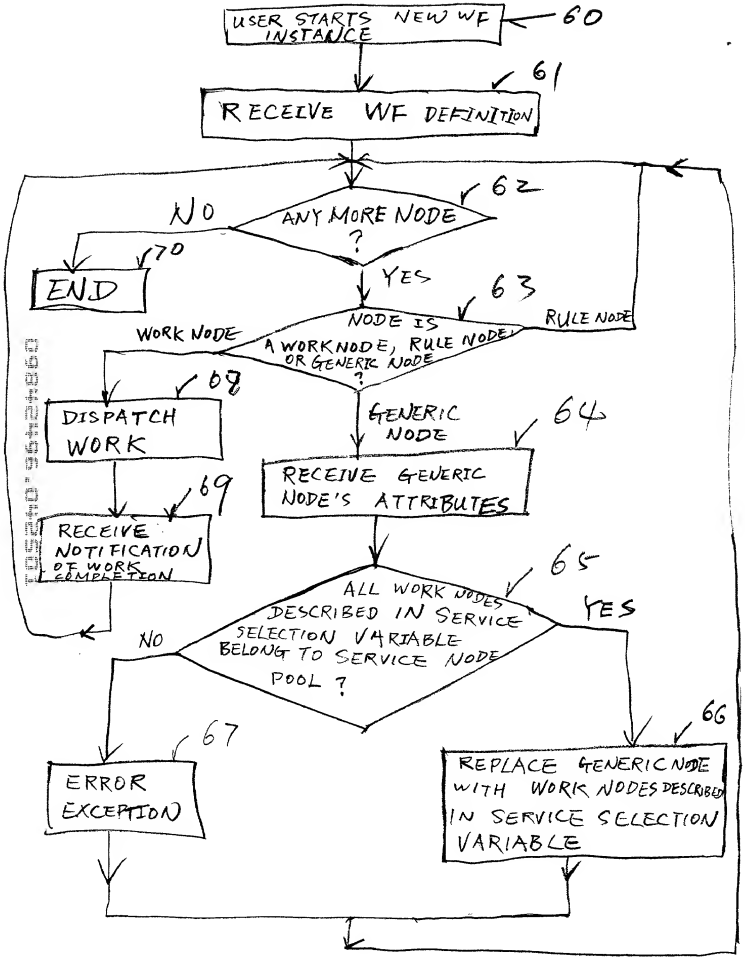
USER STARTS NEW WF INSTANCE
60
RECEIVE WF DEFINITION
61
ANY MORE NODE ?
62
NO
YES
END
70
NODE IS A WORK NODE, RULE NODE OR GENERIC NODE ?
63
WORK NODE
RULE NODE
GENERIC NODE
DISPATCH WORK
68
RECEIVE GENERIC NODE'S ATTRIBUTES
64
RECEIVE NOTIFICATION OF WORK COMPLETION
69
ALL WORK NODES DESCRIBED IN SERVICE SELECTION VARIABLE BELONG TO SERVICE NODE POOL ?
65
YES
NO
ERROR EXCEPTION
67
REPLACE GENERIC NODE WITH WORK NODES DESCRIBED IN SERVICE SELECTION VARIABLE
66

FIGURE 6

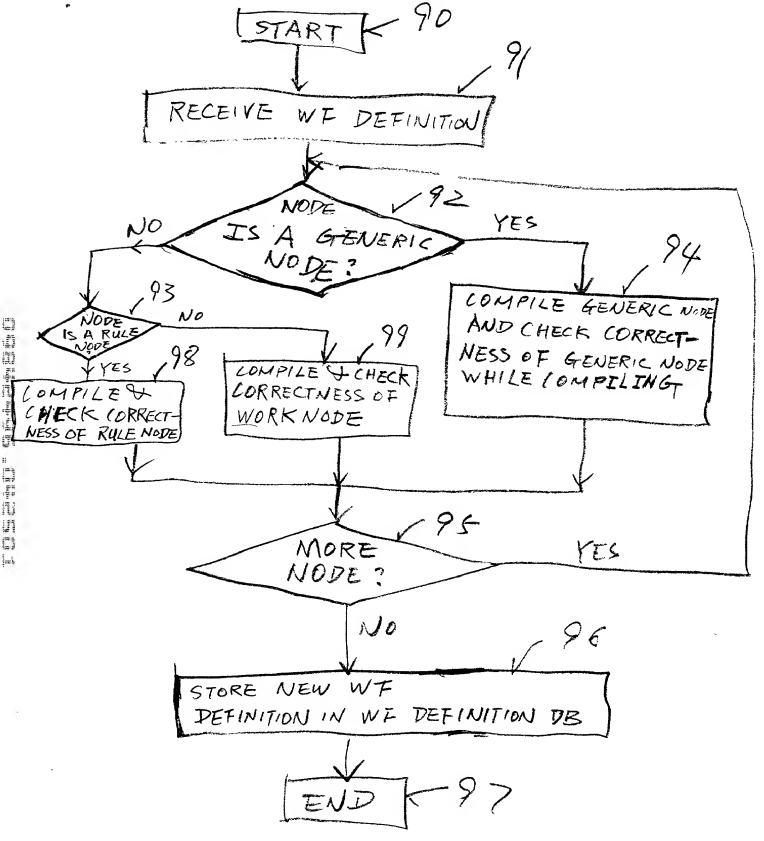
START
90
RECEIVE WF DEFINITION
91
NODE IS A GENERIC NODE?
92
NO
YES
NODE IS A RULE NODE
93
NO
YES
COMPILE & CHECK CORRECTNESS OF RULE NODE
98
COMPILE & CHECK CORRECTNESS OF WORK NODE
99
COMPILE GENERIC NODE AND CHECK CORRECTNESS OF GENERIC NODE WHILE COMPILING
94
MORE NODE?
95
YES
NO
STORE NEW WF DEFINITION IN WF DEFINITION DB
96
END
97

FIGURE 7

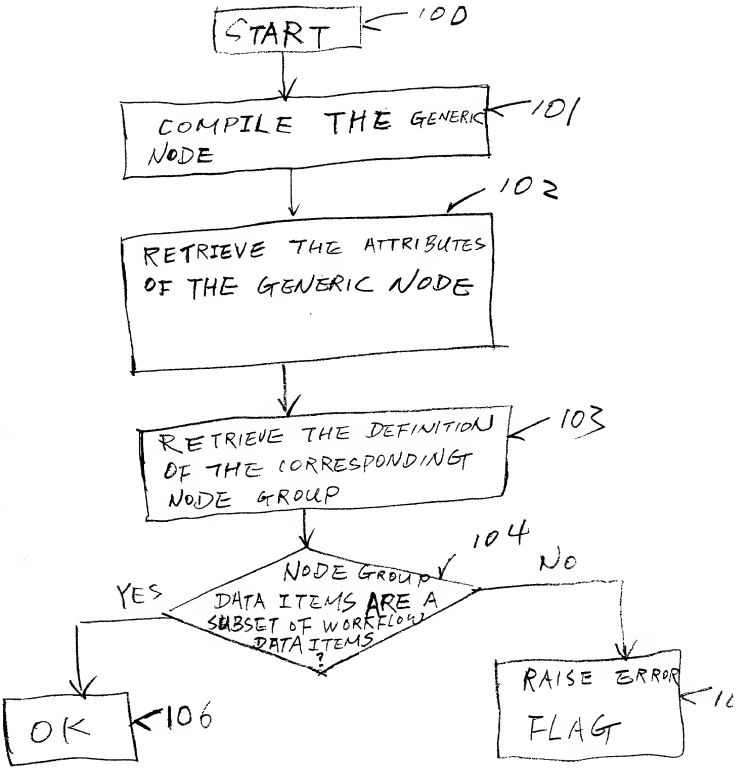
START
100
COMPILE THE GENERIC NODE
101
RETRIEVE THE ATTRIBUTES OF THE GENERIC NODE
102
RETRIEVE THE DEFINITION OF THE CORRESPONDING NODE GROUP
103
NODE GROUP DATA ITEMS ARE A SUBSET OF WORKFLOW DATA ITEMS ?
104
YES
NO
OK
106
RAISE ERROR FLAG

FIGURE 8